BevReady® FILTER CARTRIDGES

BevReady® Pure 0.45µ

Product Data Sheet





Main Features and Benefits

- Highly asymmetric pore structure for consistent contamination removal throughout service life
- Extremely low adsorption of proteins
- Robust cartridge construction for durability
- Excellent flow characteristics to extend service life and reduce downtime
- Log 7 retention of many spoilage organisms to ensure product quality and consistency

Product Description

An absolute grade, high performance membrane to preserve beverage quality prior to packaging without interfering with the intended profile. The polyethersulfone media is extremely durable while maintaining consistent porosity and eliminates the danger of shedding or unloading contaminants. The inherent hydrophilic nature of the membrane allows for integrity testing to ensure total removal of yeast and other spoilage organisms from the final product.

Quality Test

All filter cartridges are integrity tested to verify compliance with established quality and design specifications and to assure consistent and reliable performance.

The traceability of each filter cartridge, according to EC/1935/2004, is provided by serial number.

All BevReady Pure 0.45µ cartridges are completely staged, assembled, tested, and packaged in ISO 14644-1 Class 7 clean room facility whose Quality Management System is approved by an accredited registering body to the appropriate ISO 9001 Quality Systems Standard.

Material Compliance

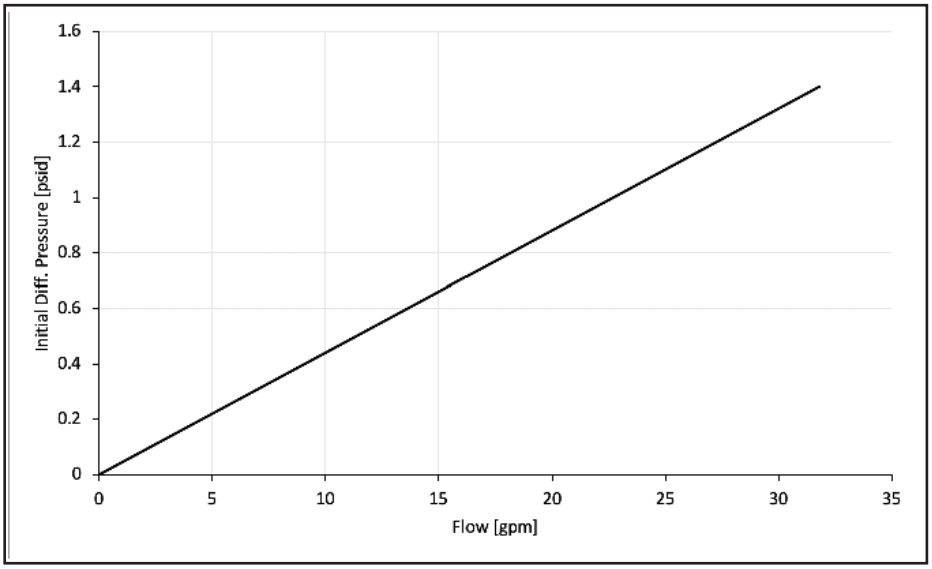
All BevReady Pure 0.45µ cartridge components are FDA listed for food contact use in the Code of Federal Regulations (CFR), Title 21:

Components	Material	CFR Title 21
Membrane	Polyethersulfone	§ 177.2440
Upstream Support	Polypropylene	§ 177.1520
Downstream Support	Polypropylene	§ 177.1520
Cage	Polypropylene	§ 177.1520
Core	Polypropylene	§ 177.1520
End Caps	Polypropylene	§ 177.1520
O-rings	Silicone	§ 177.2600

Product Specifications

Filter Grade	0.45 µm			
Filtration Surface	2.16 m² per 30" cartridge			
Microbiological Retention Data	Microorganism		LRV	
	Pediococcus damnosus		> 7	
	Lactobacillus lindneri		> 9	
	Saccharomyces cerevisiae		> 10	
	Brettanomyces bruxellensis		> 9	
Max Diff. Pressure	Operating Temperature		Differential Pressure	
	C	F	bar	psid
	38	100	15	217
	66	150	11	159
	82	180	9	130

Flow Characteristics per 30" Cartridge



Integrity Testing

Bubble Point		Diffusive Flow per 30" Cartridge	
Filter Grade	Min Bubble Point	Filter Grade	Max Diffusive Flow
BevReady Pure 0.45µ	1.8 bar (26 psi)	BevReady Pure 0.45µ	75 ml/min @ 1.0 bar (14.5 psi)

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